



भारत का राजपत्र

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सं० 41]

नई दिल्ली, शनिवार, अक्टूबर 10, 1992 (आश्विन 18, 1914)

No. 41]

NEW DELHI, SATURDAY, OCTOBER 10, 1992 (ASVINA 18, 1914)

इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके
[Separate paging is given to this Part in order that it may be filed as a separate compilation]

भाग III—खण्ड 2 [PART III—SECTION 2]

पेटेंट कार्यालय द्वारा जारी की गई पेटेंटों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस
[Notifications and Notices Issued by the Patent Office relating to Patents and Designs]

THE PATENT OFFICE

PATENTS AND DESIGNS

Calcutta, the 10th October 1992

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Telegraphic address "PATOFFICE".

Patent Office Branch,
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Municipal Market Building,
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New Delhi-110 005.

The States of Haryana, Himachal Pradesh, Jammu and Kashmir, Punjab, Rajasthan and Uttar Pradesh and the Union Territories of Chandigarh and Delhi.

1—277 GI/92

Telegraphic address "PATENTOFIC".

Patent Office Branch,
61, Wallajah Road,
Madras-600 002.

The States of Andhra Pradesh, Karnataka, Kerala, Tamilnadu and the Union Territories of Pondicherry, Laccadive, Minicoy and Aminidivi Islands.

Telegraphic address "PATENTOFIS".

Patent Office (Head Office),
"NIZAM PALACE", 2nd M.S.O. Building,
5th, 6th and 7th Floor,
234/4, Acharya Jagadish Bose Road,
Calcutta-700 020.

Rest of India.

Telegraphic address "PATENTS".

All applications, notices, statements or other documents or any fees required by the Patents Act, 1970 or the Patents Rules, 1972 will be received only at the appropriate Offices of the Patent Office.

Fees :—The fees may either be paid in cash or may be sent by Money Order or Postal Order, payable to the Controller at the appropriate Offices or by bank draft or cheque, payable to the Controller drawn on a schedule bank at the place where the appropriate office is situated.

(1233)

पेटेंट कार्यालय

एकसूत्र तथा अभिकल्प

कलकत्ता, दिनांक 16 अक्टूबर 1992

पेटेंट कार्यालय के कार्यालयों के पते एवं क्षेत्राधिकार

पेटेंट कार्यालय का प्रधान कार्यालय कलकत्ते में अवस्थित है तथा कम्बई, दिल्ली एवं मद्रास में इसके शाखा कार्यालय हैं, जिनके प्रादेशिक क्षेत्राधिकार जोन के आधार पर निम्न रूप से प्रदर्शित हैं :—

पेटेंट कार्यालय शाखा, टोडरी हस्टेट,
तीसरा तल, लोवर परले (पश्चिम),
कम्बई-400013 ।

गुजरात, महाराष्ट्र तथा मध्य प्रदेश राज्य
क्षेत्र एवं संघ शासित क्षेत्र गोवा, बमन तथा
दिव एवं वादरा और नागर हवेली ।

तार पता—“पेटेंटोफिस”

पेटेंट कार्यालय शाखा,
एकक सं. 401 से 405, तीसरा तल,
नगरपालिका बाजार भवन,
मरस्वती मार्ग, करोल बाग,
नई दिल्ली-110005 ।

हरियाणा, हिमाचल प्रदेश, जम्मू तथा कश्मीर,
पंजाब, राजस्थान तथा उत्तर प्रदेश राज्य क्षेत्रों
एवं संघ शासित क्षेत्र चंडीगढ़ तथा दिल्ली ।

तार पता—“पेटेंटोफिस”

पेटेंट कार्यालय शाखा,
61, आवाजाह रोड,
मद्रास-600002 ।

आन्ध्र प्रदेश, कर्नाटक, केरल, तमिलनाडु राज्य
क्षेत्र एवं संघ शासित क्षेत्र पाण्डिचेरी, लक्षद्वीप
मिस्मिन्नाय तथा अर्मीनिचिचि द्वीप ।

तार पता—“पेटेंटोफिस”

पेटेंट कार्यालय (प्रधान कार्यालय)
मिनाम पैलेस, द्वितीय बहुतलीय कार्यालय,
मकान, 5, 6 तथा 7वां तल,
234/4, आचार्य जगदीश बोस रोड,
कलकत्ता-700020 ।

भारत का अवशेष क्षेत्र

तार पता—“पेटेंट्स”

पेटेंट अधिनियम, 1970 या पेटेंट नियम, 1972 में अपे-
क्षित सभी आवेदन पत्र, सूचनाएं, विवरण या अन्य प्रलेख पेटेंट
कार्यालय के केवल उपर्युक्त कार्यालय में ही प्राप्त किए जाएंगे।

शुल्क :—शुल्कों की अदागरी या तो नकद की जाएगी अथवा
उपयुक्त कार्यालय में नियंत्रक को भुगतान योग्य धनादेश अथवा
ड्राफ्ट आदेश या जहां उपर्युक्त कार्यालय अवस्थित है; उस स्थान
के अनुसूचित बैंक से नियंत्रण को भुगतान योग्य बैंक ड्राफ्ट
अथवा बैंक द्वारा की जा सकती है ।

GOVERNMENT OF INDIA

THE PATENT OFFICE

Calcutta, the 10th October 1992

APPLICATION FOR PATENTS FILED AT THE
HEAD OFFICE
234/4, ACHARYA JAGADISH BOSE ROAD,
CALCUTTA-20

The dates shown in the crescent branch are the dates
claimed under section 135, of the Patents Act, 1970.

The 1st September 1992

627/Cal/92 Phillips Petroleum Company. Polyethylene
Blends.

The 2nd September 1992

6628/Cal/92 IFB Industries Limited. Trolley for Washing
Machine.

629/Cal/92 Centro Sviluppo Materiali S.p.A. Improved pro-
cess for the manufacture of ceramic molds to be
used for the preparation of unidirectional and
single crystal metal components.

630/Cal/92 Kasei Optonix Ltd. Rare earth oxysulfide phos-
phor and high resolution cathode ray tube em-
ploying it.

631/Cal/92 Marine shale processors, Inc. Method and
apparatus for using Hazardous waste to form
Non-Hazardous Aggregate.

The 3rd September 1992

632/Cal/92 Siemens Aktiengesellschaft. Suspended cover
which has no threshold and is preferably electro-
magnetically screened.

633/Cal/92 Mr. S. Bhanushekhhar and Dr. Sheoraj Singh.
Polymeric Non-drying sealing compositions.

634/Cal/92 Mr. S. Bhanushekhhar and Dr. Sheoraj Singh.
Sealant Compositions.

635/Cal/92 Mr. S. Bhanushekhhar and Dr. Sheoraj Singh.
Fire resistant mastic compositions.

636/Cal/92 Mr. S. Bhanushekhhar and Dr. Sheoraj Singh.
Adhesive Compositions.

637/Cal/92 Mr. S. Bhanushekhhar and Dr. Sheoraj Singh.
Joint Sealing compositions.

638/Cal/92 Mr. S. Bhanushekhhar and Dr. Sheoraj Singh.
Protective coating compositions.

639/Cal/92 Mr. S. Bhanushekhhar and Dr. Sheoraj Singh.
Improved adhesive compositions.

640/Cal/92 Michael Kenny, David Dennis Dunkley &
Anthony Gillham Firing Devices. (Convention
date 03-09-91, U.K. and 25-01-1992; U.K.).

APPLICATIONS FOR PATENTS FILED IN THE PATENT OFFICE BRANCH, TODI ESTATES, THIRD FLOOR, SUN MILL COMPOUND, LOWER PAREL (WEST) BOMBAY-13

The 13th July 1992

- 218/Bom/92 M/s. Harish Textile Engineers Ltd. An improved fabric dryer and stabilizer.
- 219/Bom/92 M/s. Harish Textile Engineers Ltd. Suspended fabric dryer or relax dryer.
- 220/Bom/92 Shri Dinesh Bihari Patel. A swiveling two-way window fan for exhaust of unwanted air and intake of fresh air.

The 14th July 1992

- 221/Bom/92 Shri Shrinivas Siddhanath Vaidya and Shri Ajay Sadishiv Chhatre. An improved electronic circuit for flasher-cum-beepers.

The 15th July 1992

- 222/Bom/92 Hindustan Lever Limited, U.K. Priority Dt. 15-7-1991. Fabric softening composition.
- 223/Bom/92 Hindustan Lever Limited, U.K. Priority Dt. 19-7-1991. Cleaning composition.
- 224/Bom/92 The Director, The Automotive Research Association of India. A process and device for manufacturing sandwich pack assembly of composite FRP multileaf springs and/or hybrid sandwich pack assembly formed by a combination of single/multi conventional/parabolic or taper spring steel, leaves & FRP leaf spring laminates in whatever combination for use in motor vehicles, trailers & other transport vehicles as main leaf and/or helper leaf assembly & FRP multileaf spring laminates made by said device & process.

The 16th July 1992

- 225/Bom/92 Indo-German Laboratories. An invention of an improved dry edible film coating composition, for forming coating dispersions.

The 17th July 1992

- 226/Bom/92 Mr. Saliyan Nitin Kamladsha. A triangular multipurpose engineering scale.
- 227/Bom/92 Mr. Saliyan Nitin Kamladsha. A 12 inches engineering scale for drawing isometric circles and for measuring angles.

The 20th July 1992

- 228/Bom/92 Shri Karimbhai Vallibhai Mankad. Increasing the heat capacity of fuel in wall flame wick-stove.

The 23rd July 1992

- 229/Bom/92 Shri Dhruvil Arvindbhai Joshi. Electronic starter and circuit for electrical tubes working with chock.

The 27th July 1992

- 230/Bom/92 Hindustan Lever Limited. Water dispersible or water soluble copolymer containing UV-absorbing monomer.
- 231/Bom/92 Hindustan Lever Limited. Fabric care composition comprising water soluble or water dispersible copolymer containing UV-absorbing monomer.

The 28th July 1992

- 232/Bom/92 Shri Anilkumar Ramanlal Parikh. A method of manufacturing of prosthesis of the like limbs.

The 29th July 1992

- 233/बम्बई/92 श्री बाबू लाल पुरालाल लोहार ।
कॉज बनाने की मशीन ।

- 234/Bom/92 (1) Shri Suresh M. Matalia, (2) Shri Parash M. Matalia, (3) Shirish M. Matalia, (4) Shri Prakash M. Matalia. Mechanical door/window stopper.

The 4th August 1992

- 235/Bom/92 Tilak Raj Chaudhary. An mechanical bulb assembly housing.
- 236/Bom/92 Hindustan Lever, Ltd. U.K. Priority filed 5-8-91. Hair Care Composition.
- 237/Bom/92 Hindustan Lever Ltd. U.K. Priority filed 5-8-91. Detergent Composition.
- 238/Bom/92 Hindustan Lever Ltd. U.K. Priority filed 6-8-91. Bleach Precursors.

The 5th August 1992

- 239/Bom/92 Natvarlal Popatlal Sachania. An invention in, and related to 'Screw presses' or 'Oil Expellers' crushing chamber box.
- 240/Bom/92 Natvarlal Popatlal Sachania. An invention of improvement or innovation in plastic blow moulding process.
- 241/Bom/92 The Raja Bahadur Motilal Poona Mills Ltd. An automatic paper edge trimming device.
- 242/Bom/92 Harish Textile Engineers Ltd. Weft mixing device.
- 243/Bom/92 Vipin Champsey Shah. An improved multifilament lamp.

APPLICATIONS FOR PATENTS FILED AT THE PATENT OFFICE BRANCH, 61, WALLAJAH ROAD, MADRAS-600 002

The 10th August 1992

- 480/Mas/92 CH. Sitarama Sastry. Sastry Accelerator System.
- 481/Mas/92 Boblec (India) Private Limited. Power control means for devices operated by A.C.
- 482/Mas/92 Schubert & Salzer Maschinenfabrik Aktiengesellschaft. Spooling apparatus having a control means for controlling the bearing pressure of a bobbin against a drive roller.

The 11th August 1992

- 483/Mas/92 Varta Batterie Aktiengesellschaft. Support matrix for negative electrodes of lead storage batteries.
- 484/Mas/92 Ireco Incorporated. Co-extruded shock tube.

The 12th August 1992

- 485/Mas/92 Sturm, Ruger & Company, Inc. Lever arrangement for automatic pistol for positioning firing pin and for decocking.
- 486/Mas/92 David Choon Sen Lam. Transporting Goods. (August 12, 1991; Great Britain).
- 487/Mas/92 Dana Corporation. Gasket having thermally insulated port closure assembly.

The 13th August 1992

- 488/Mas/92 S. A. Saadhali. Single wheel driven system by a separate wheel for automobiles.
- 489/Mas/92 Indian Institute of Science. A concentric tubular support for cryogenic tanks.
- 490/Mas/92 Indian Institute of Science. A remote delivery tube with integral joule-thompson valve for helium liquefier.
- 491/Mas/92 Indian Institute of Science. A low temperature adhesive and a bonding method for cryogenic

- 492/Mas/92 Indian Institute of Science. A method for cryogenic bending of thin walled metallic tubes and on apparatus therefor.
- 493/Mas/92 The South India Textile Research Association. Development of a wrapping machine for covering metallic wire with textile materials to produce guidance wire for missile.
- 494/Mas/92 Stork Ketels B. V. Method for assembling a tube module, a tube module, and a heat exchanger provided with such a tube module.

The 14th August 1992

- 495/Mas/92 D. Basker. Non-conventional hydrogen energy-new approach.
- 496/Mas/92 Antony Fernandez. Slicer cum cleaner.
- 497/Mas/92 Antony Fernandez. Economical concrete bricks.
- 498/Mas/92 Antony Fernandez. Automatic washer cum steriliser.
- 499/Mas/92 Moore Products Co. Lower Power Oscillator circuits. (August 29, 1991; Canada).
- 500/Mas/92 Moore Products Co. Lower power switching power supply circuits and methods. (August, 29, 1991; Canada).

ALTERATION OF DATE UNDER SECTION 16

- 171425 Antedated to April 03, 1986.
(822/Cal/1989)
- 171427 Antedated to February 08, 1988.
(534/Cal/1990)

COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in opposing the grant of patents on any of the Applications concerned, may, at any time within four months of the date of this issue or within such further period not exceeding one month applied for on Form 14 prescribed under the Patents Rules, 1972 before the expiry of the said period of four months, give notice to the Controller of Patents on the prescribed Form 15 of such opposition. The written statement of opposition should be filed alongwith the said notice or within one month of its date as prescribed in Rule 36 of the Patents Rules, 1972.

The classifications given below in respect of each specification are according to Indian Classification and International Classification.

A limited number of printed copies of the specifications listed below will be available for sale from the Government of India Book Depot, 8, Kiran Sankar Roy Road, Calcutta, in due course. The price of each specification is Rs. 2/- (postage extra) Requisition for the supply of the printed specifications should be accompanied by the number of the specifications as shown in the following list.

Typed or photo copies of the specifications together with photo copies of the drawings, if any, can be supplied by the Patent Office, Calcutta on payment of the prescribed copying charges which may be ascertained on application to that office. Photo copying charges may be calculated by adding the number of pages in the specification and drawing sheets mentioned below against each accepted specification and multiplying the same by four to get the charges as the copying charges per page are Rs. 4/-.

स्वीकृत सम्पूर्ण विनिर्देश

एतद्वारा यह सूचना दी जाती है कि सम्बद्ध आवेदनों में से किसी पर पेटेंट अनुदान का विरोध करने के इच्छुक कोई व्यक्ति, इसके निर्गम की तिथि से 4 महीने या अधिक ऐसी अवधि जो उक्त 4 महीने की अवधि की समाप्ति के पूर्व पेटेंट नियम, 1972

के तहत विहित प्रपत्र 14 पर आवेदित एक महीने की अवधि से अधिक न हो, के भीतर कभी भी नियंत्रक, एकत्र को ऐसे विरोध की सूचना विहित प्रपत्र 15 पर दे सकते हैं। विरोध संबंधी लिखित वक्तव्य, उक्त सूचना के साथ अथवा पेटेंट नियम, 1972 के नियम 36 में यथा विहित इसकी तिथि के एक महीने के भीतर हो फाइल किए जाने चाहिए।

“प्रत्येक विनिर्देश के संदर्भ में नीचे दिए वर्गीकरण, भारतीय वर्गीकरण तथा अंतर-राष्ट्रीय वर्गीकरण के अनुरूप हैं”।

नीचे सूचीगत विनिर्देशों की सीमित संख्यक मुद्रित प्रतियां, भारत सरकार बुक डिपो, 8, किरण शंकर राय रोड, कलकत्ता में विक्रय हेतु यथा समय उपलब्ध होंगी। प्रत्येक विनिर्देश का मूल्य 2/- रु. है। (अतिरिक्त डाक खर्च)। मुद्रित विनिर्देश की आपूर्ति हेतु मांग-पत्र के साथ निम्नलिखित सूची में यथा प्रदर्शित विनिर्देशों की संख्या संलग्न रहनी चाहिए।

रूपांकन (चित्र आरेखों) की फोटो प्रतियां यदि कोई हों, के साथ विनिर्देशों की टंकित अथवा फाटा प्रतियां की आपूर्ति पेटेंट कार्यालय, कलकत्ता द्वारा विहित लिप्यान्तरण प्रभार जिस उक्त कार्यालय से पत्र-व्यवहार द्वारा सुनिश्चित करने के उपरान्त उसकी अदायगी पर की जा सकती है। विनिर्देश की पृष्ठ संख्या के साथ प्रत्येक स्वीकृत विनिर्देश के सामने नीचे वर्णित चित्र आरेखों को जोड़कर उसे 4 से गुणा करके; (क्योंकि प्रत्येक पृष्ठ का लिप्यान्तरण प्रभार 4/- रु. है) फोटो लिप्यान्तरण प्रभार का धारकत्व किया जा सकता है।

CL: 32F+32 Fd

171421

Int. CL: C 07 C 50/18, 50/24.

PROCESS FOR PRODUCING ANTHRAQUINONE COMPOUNDS.

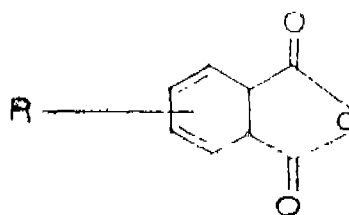
Applicant & Inventor: KIKUKO YOKOYAMA, OF 6-15, HONAMANUMA 2-CHOME, SUGINAMI-KU, TOKYO, JAPAN.

Application No. 738/Cal/1988; filed on September 02, 1988.

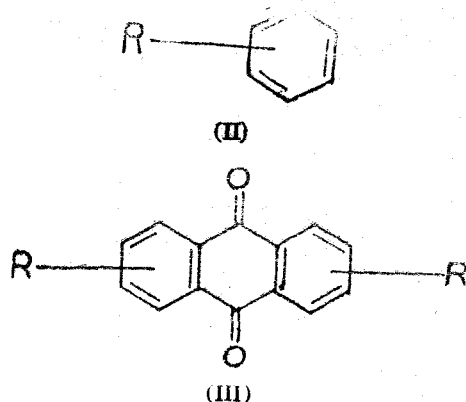
Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972) Patent Office, Calcutta.

6 Claims

A process for producing an anthraquinone compound of formula III of the accompanying drawings comprising catalytically condensing at least one phthalic anhydride compound of the formula (I) with at least one benzene compound of the formula (II):



(I)



wherein R represents a member selected from the group consisting of hydrogen and halogen atoms and alkyl, aryl and aralkyl radicals, comprising bringing a feed gas containing, as starting materials, the phthalic anhydride compound and the benzene compound, at a temperature of from 240 to 250°C under condensation reaction conditions, into contact with a condensation catalyst in a predetermined proportion such as herein described, with or without the addition of a promoter such as herein described, said condensation catalyst comprising.

(A) a catalytic principal component consisting of at least one solid acid substance selected from the group consisting of

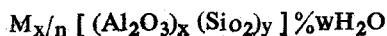
(1) compound oxides such as herein described consisting of at least two members selected from the group consisting of oxides of elements of Groups IIA, IIB, IIIA, IIIB, IVA, and IVB of the periodic table, vanadium, chromium, manganese, iron, cobalt nickel, copper, molybdenum, tungsten and rare earth elements;

(2) at least one sintered solid acid comprising a sintered product of a substrate component consisting of at least one member selected from the group consisting of oxides and compound oxides of the above-mentioned elements and diatomaceous earth and associated with an additional acid component consisting of at least one member selected from the group consisting of phosphoric acid and sulfuric acid;

(3) electron acceptive solid substance comprising a substrate component consisting of at least one member selected from the group consisting of oxides and compound oxides of the above-mentioned elements and diatomaceous earth and associated with a salt component consisting of at least one member selected from the group consisting of metal phosphates and metal sulfates;

(4) at least one heteropolyacid selected from the group consisting of silicotungstic acid and phosphotungstic acid combined with silica gel; and

(5) at least one crystalline zeolite of the empirical formula:



wherein M represents a cation selected from the group consisting of hydrogen atom elements of groups IA, IB, IIA, IIB, IIIA, IIIB of the periodic Table, transition elements and rare earth elements, n represents a valence of the cation M; x and y respectively represent the number of group (Al_2O_3) and group (SiO_2) present per crystal unit cell, and w represents the number of water molecules per crystal unit cell; x, y and w being $x=1$, $Y=2$ to 10, $W=0$ to 6.

(B) an additional basic component consisting of at least one member selected from the group consisting of ammonia and volatile organic bases and attached to at least strong acid sites of at least one solid acid substance; and

collecting the resulting anthraquinone compound of the formula (III):

wherein R is as defined above.

Compl. Specn. 27 pages

Drgns. 1 sheet

Cl.: 12C+D +108C₃+108C₅.

171422

Int. Cl.: C 22C 38/34, 38/38, 38/40.

"A PROCESS FOR PRODUCING A FERRITIC STEEL ALLOY PRODUCT HAVING GOOD OXIDATION RESISTANCE AND CREEP STRENGTH AT ELEVATED TEMPERATURES".

Applicant: ARMCO INC. OF 705 CURTIS STREET, MIDDLETOWN, OHIO 45043, U.S.A.

Inventors: (1) JAMES ALAN DANIELS and (2) JOSEPH ALAN DOUTHETT.

Application No. 742/Cal/88; filed on September 05, 1988.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972) Patent Office, Calcutta.

21 Claims

A process for producing a ferritic steel alloy product having good oxidation resistance and creep strength at elevated temperatures comprising the steps of:

(a) preparing a melt having the composition made of by weight percent, from 0.01% to 0.3% carbon, 2% maximum manganese, greater than 2.35% to 4% silicon, 3% to 7% chromium, 1% maximum nickel, 0.15% maximum nitrogen, less than 0.3% aluminium, optionally up to 3% molybdenum, at least one element selected from the group of niobium, tantalum, vanadium, titanium and zirconium, in an amount up to 1.0% and the balance essentially iron in a smelter,

(b) casting said melt using a casting mould to obtain a cast product;

(c) subjecting said cast product to a step of hot rolling at a temperature above 1250°C;

(d) subjecting the hot rolled product to pickling in an acid pickling bath;

(e) thereafter cold rolling the acid pickled material to the required gauge followed by;

(f) Subjecting the cold rolled material to a step of annealing at a temperature of 1010 to 1150°C and finally,

(g) descaling the annealed product in a conventional manner to obtain the required alloy product.

Compl. Specn. 22 pages.

Drgns 3 sheets

Cl.: 80 K,

171423

Int. Cl.: B 01 D, 35/00.

"APPARATUS FOR FILTERING A HEAT-SOFTENED STREAM OF PLASTICS MATERIAL."

Applicant: INDUPACK AG. OF GARTENSTRASSE 2, 6300 ZUG, SWITZERLAND.

Inventor: PETSCHNER GOETZ.

Application No. 878/Cal/88; filed on October 24, 1988.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972) Patent Office, Calcutta.

5 Claims

An apparatus for filtering a heat-softened stream of plastic material for an extrusion machine, comprising:

a filter housing formed with an inlet receiving said heat-softened stream and an outlet for discharging said stream after filtration;

a slid shiftable in said housing in a sliding direction and formed with at least two chambers spaced apart in said direction, said slide being shiftable between a first position for filtering said steam through both of said chambers, a second

position for filtering said stream through one of said chambers and backflushing another of said chambers, and a third position wherein said other of said chambers is external of said housing for filter replacement;

respective pairs of opposing replaceable filter plates losing opposite sides of said chambers;

means defining flow channels in said housing in communication with said outlet and internally communicating with said chambers in both said first and second positions of said slide;

inlet branch conduit means in said housing connected to said inlet and directing said stream symmetrically from opposite sides against said plates of said chambers in said first position of said slide; and

at least one passage formed in said housing and communicating with said other of said chambers internally in said second position and prior to movement of said slide from said second position to said third position and from said third position to said first position to backflush the plates of said other chamber with a portion of said stream after filtration.

The apparatus as claimed in claim 1 wherein said inlet branch conduit means includes a pair of branches respectively communicating with said chambers in said first position of said slide and spaced apart in said direction by a distance equal at least to a spacing of said chambers.

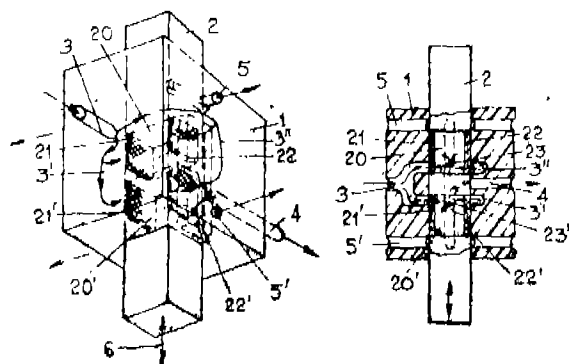


Fig. 1

Compl. specn. 12 pages.

Drgns. 1 sheets

Cl.: 33 D, 129 J.

171424

Int. Cl.: B 21 B 27/06.

COOLING PIPE FOR THE ROLL LINES.

Applicant: VEB STAHL-UND WALZWERK "WILHELM FLORIN" OF VELTENER STRASSE, DDR-1422, HENNIGSDÖRF, GERMAN DEMOCRATIC REPUBLIC.

Inventors: (1) FRANZ TAMM, (2) ARNOLD JOACHIM, (3) HARTMUT BLANK, (4) BERNHARD HORICKE, (5) JOACHIM SCHULZ and (6) HARTMUT RICHTER.

Application No. 213/Cal/89, filed on March 15, 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972) Patent Office, Calcutta.

8 Claims

A cooling pipe for roll lines, in particular for the multiple roll lines produced in the separate rolling procedure, whereby the cooling pipe is fed with power water, wherein the cooling pipe for the two roll lines—seen in the rolling direction—consists of

—a common preparatory chamber (1) with a cooling water inlet (1c) for a part of the cooling water reverse flow and a water discharge (1d)

—first and second common jet chamber (2, 3), whereby a separate connecting branch (2e, 3e) is provided with balancing chamber (2f, 3f) for the cooling water feeding for each jet chamber (2, 3).

—separate heat exchange pipes (4).

—a common dam chamber (5) with cooling water outlet (5c)

—a first and second common diversion chamber (6, 7), whereby a separate feeding (6c, 7c) for the steering medium is provided for each diversion chamber (6, 7).

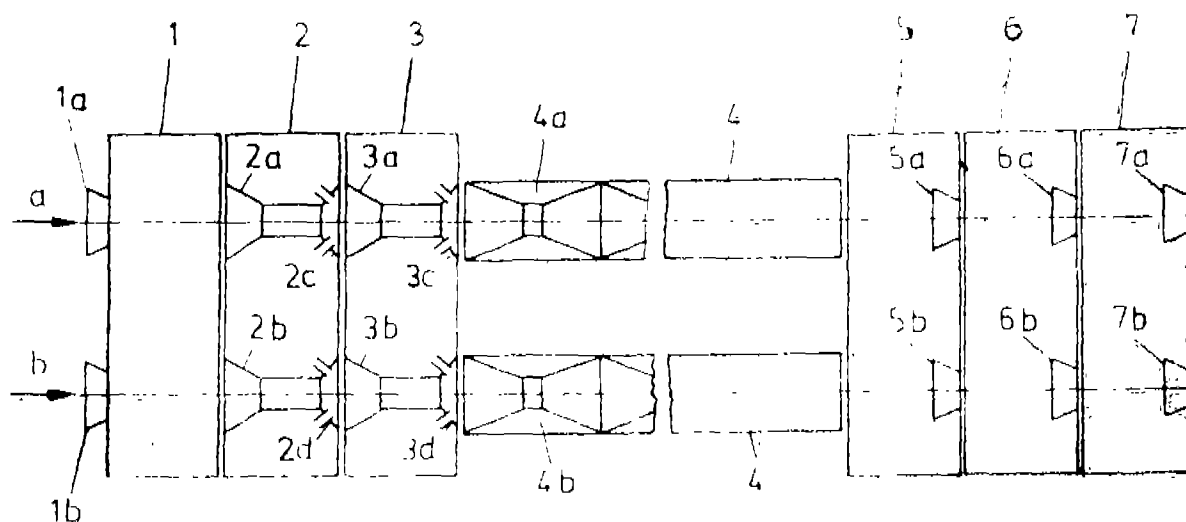


Fig. 1

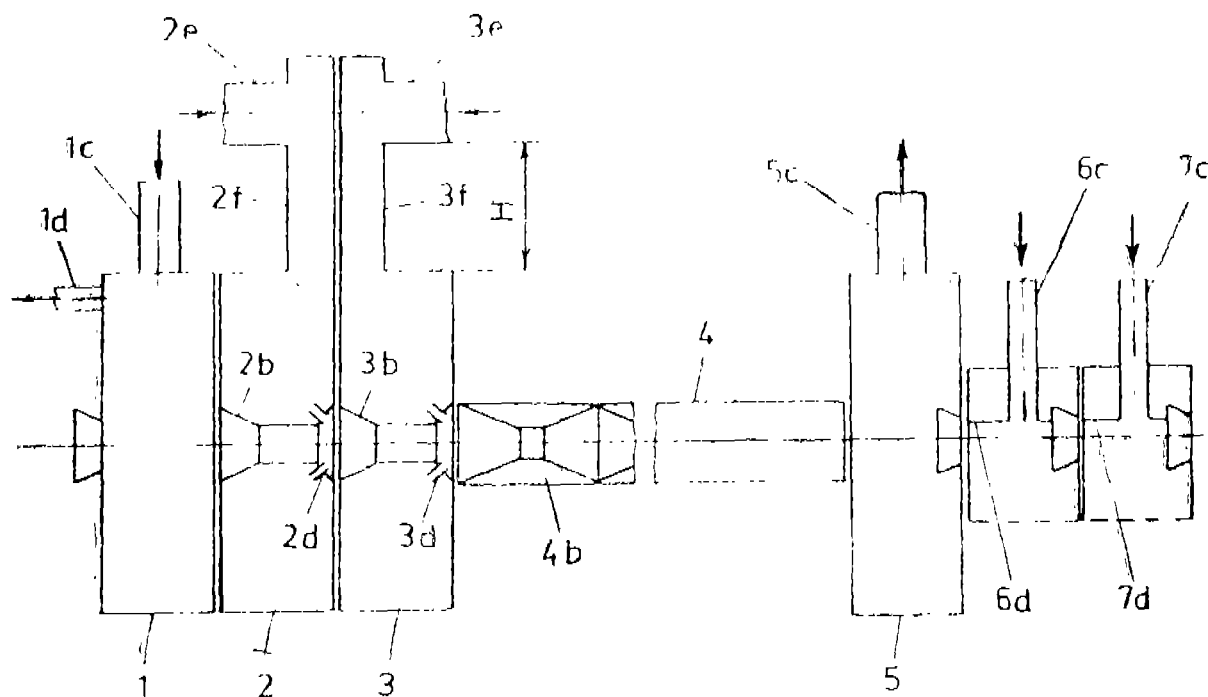


Fig. 1

Compl. specn. 9 pages.

Drgns. 3 sheets

Cl.: 136 E, K.

171425

Int. Cl.: B 29 C, 39/00, 57/00.

A METHOD OF SHAPING AN OPEN MOUTH OF A SUBSTANTIALLY TUBULAR PREFORM. A

Applicant: PETAINER B. V. OF ENDSESTRAAT 133, NL-5105 NA DONGEN, NETHERLANDS.

Inventor: TORSTEN NILSSON.

Application No. 822/Cal/89; filed on October 03, 1989.

(Divided out of No. 350/Cal/86; antedated to April 03, 1986).

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972) Patent Office, Calcutta.

5 Claims

A method of shaping an open mouth of a substantially tubular preform of orientable and/or crystallisable plastics material, said method comprising:

supporting a tubular preform of orientable and/or crystallisable plastics material in a tubular sleeve with a closed bottom of the preform resting on a bottom support which is relatively displaceable in said sleeve, relatively displacing said tubular sleeve and said bottom support to axially displace the preform relative to the sleeve, applying force from the sleeve to the preform inwardly of the preform at an edge region of an open mouth of the preform to displace the edge region inwardly around the circumference of the tubular preform to provide said edge region with a reduced diametral extent compared to the diametral extent of the remainder of the tubular preform, and relatively moving a mandrel, which is positioned within the sleeve and forms a circumferential gap therewith, through

which gap the edge region extends, and said sleeve to fold a terminal end portion of said edge region outwardly to form an outwardly facing flange on said edge region.

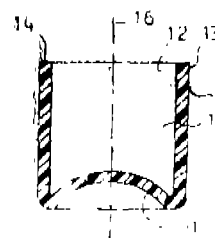


Fig. 2

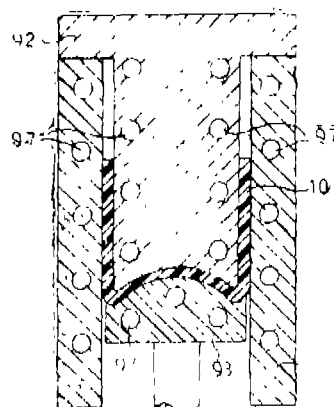


Fig. 3

Compl. specn. 20 pages.

Drgns. 6 sheets

Cl.: 32 G.

171426

Int. Cl.: A 61 K 31/59.

METHOD FOR PREPARING VITAMIN D COMPOUNDS.

Applicant: WISCONSIN ALUMNI RESEARCH FOUNDATION OF 614 WALNUT STREET, MADISON, WISCONSIN 53705, UNITED STATES OF AMERICA.

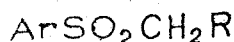
Inventors: (1) HECTOR F. DELUCA, (2) HEINRICH K. SCHNOES and (3) SHIGEYA OKADA.

Application No. 550/Cal/90; filed on July 02, 1990.

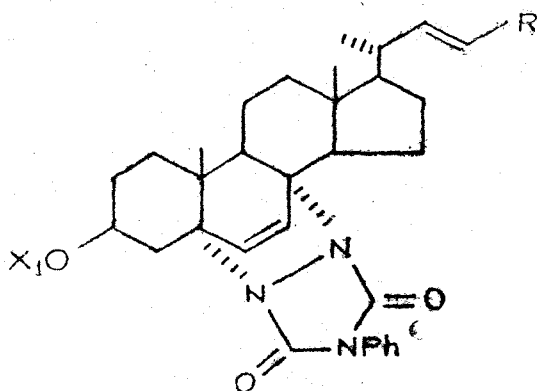
Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972) Patent Office, Calcutta.

13 Claims

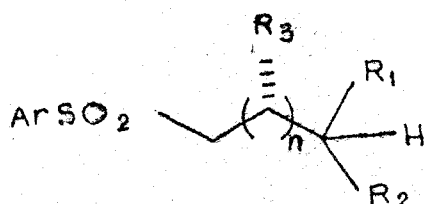
A method for preparing vitamin D compounds having the formula VIII where R_3 can have either the R or S configuration and wherein n is an integer having a value of from 1 to 5, X_1 is selected from alkyl, hydrogen or hydroxy, protecting group, R_3 is selected from alkyl, hydroxy, protected hydroxy, hydrogen or fluorine, and wherein R_1 and R_2 , which may be the same or different, are each selected from an alkyl or alkyl group, which comprises condensing a steroidal aldehyde of the formula (4) wherein X_1 is as defined above, with an arylsulfone of the formula IV wherein R is selected from the group consisting of alkyl, hydroxylated alkyl, hydroxy-protected hydroxylated alkyl, fluoro-substituted alkyl, fluoro-substituted hydroxylated alkyl and fluoro-substituted hydroxy-protected alkyl, whereby a hydroxy-sulfonyl adduct of the formula V is obtained, wherein R and X, are as defined above, optionally acylating or sulfonylating the C-22-hydroxy group of said adduct, reducing said adduct to obtain an intermediate of the formula VI wherein R and X_1 are as defined above, and converting said intermediate to obtain the desired vitamin D compound, optionally subjecting the compound so obtained to a 1 α hydroxylation process so as to obtain the corresponding 1 α hydroxylated vitamin D compound.



Formula-IV



Formula-VI



Formula-VIII

Compl. specn. 21 pages.

Drgns. 4 sheets

Cl.: 98 G.

171427

Int. Cl.: F 28 D, 9/00.

HEAT TRANSFER ELEMENT.

Applicant: THE AIR PREHEATER COMPANY OF ANDOVER ROAD, WELLSVILLE, NEW YORK 14895, UNITED STATES OF AMERICA.

Inventor: JAMES ALAN GROVES.

Application No. 534/Cal/90; filed on June 27, 1990.

(Divided out of No. 112/Cal/88; antedated to February 08, 1988).

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972) Patent Office, Calcutta.

7 Claims

A heat transfer plate adapted for stacking in spaced relationship with like heat transfer plates in a support frame to form an element basket for use in a rotary heat exchanger, said heat transfer plate comprising a length of sheet having outwardly protruding spacing notches formed therein at spaced intervals along the length of said sheet, said notches comprising bilobed folds having first and second lobes projecting outwardly from the sheet, each lobe having an outermost surface and a sloping web portion extending between the outermost surfaces of the first and second lobes, a first portion of said folds in said sheet having their first lobe projecting outwardly from said sheet in a first direction and their second lobe projecting outwardly from said sheet in a second direction opposite to the first direction, and a second portion of said folds in said plate having their first lobe projecting outwardly from said sheet in the second direction and their second lobe projecting outwardly from said sheet in the first direction, the web portions of said second portion of said folds thereby having a pitch opposite to the pitch of the web portions of said first portion of said folds, said first portion of said folds comprising at least one-half of the total number of folds in said sheet and said second portion of said folds comprising no more than one-half of the total number of folds in said sheet.

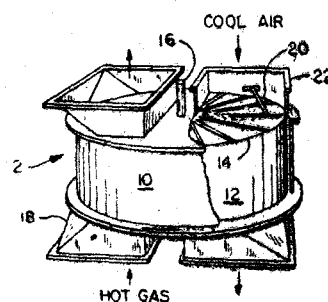


Fig. 1

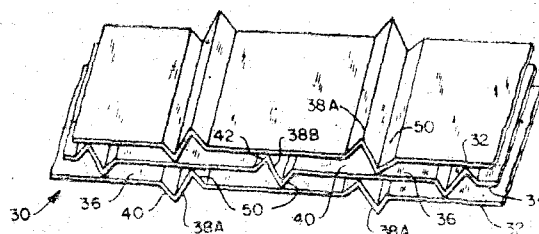


Fig. 2

Compl. specn. 18 pages.

Drgns. 2 sheets

Cl. : 32 F₂+55 E₄.

171428

3 Claims

Int. Cl.⁴: C 07 B 57/00, C 07 C 101/30.

AN IMPROVED PROCESS FOR THE ISOLATION OF LEVOROTATORY (S) -N-ETHOXYCARBONYL-2-AMINO-1-BUTANOL BY LIPASE-ENZYME CATALYSED KINETIC RESOLUTION OF RACEMIC N-ETHOXYCARBONYL-2-AMINO-1-BUTANOL.

Applicant: ICI INDIA LIMITED OF ICI HOUSE, 34, CHOWRINGHEE ROAD, CALCUTTA-700071, WEST BENGAL, INDIA.

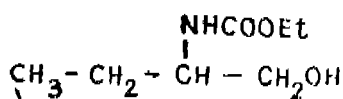
Inventors: (1) DR. HANAMANTHA SHANKARSA BEVINAKATTI (2) RAVINDRA VISHNU NEWADKAR.

Application No. 957/Cal/1990; filed on November 13, 1990.

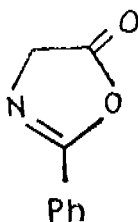
Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972) Patent Office, Calcutta.

4 Claims

An improved process for the isolation of levorotatory (S)-N-ethoxycarbonyl-2-amino-1-butanol of the formula II shown in the accompanying drawings by lipase-enzyme catalysed kinetic resolution of racemic N-ethoxycarbonyl-2-amino-1-butanol of the formula II which consists of resolving the racemic N-ethoxycarbonyl-2-amino-1-butanol of the formula II with 2-phenyl-5 (4H) oxazolone of the formula III shown in the accompanying drawings in the presence of a lipase enzyme catalyst such as herein described and an organic solvent such as herein described at 0 to 100°C, the molar ratio of racemic N-ethoxycarbonyl-2-amino-1-butanol of the formula II and compound of the formula III being 1 : 0.4 to 1 : 0.7 and separating the levorotatory (S) -N-ethoxycarbonyl-2-amino-1-butanol of the formula II from the reaction mixture as herein described.



Formula II



Formula III

Compl. Specn. 9 pages

Drg. 1 sheet

Cl.: 170A+C

171429

Int. Cl.⁴: C 09 K 3/00.

AZEOTROPE OR AZEOTROPE-LIKE COMPOSITION BASED ON 1, 1-DIFLUORO-2, 2-DICHLOROETHANE.

Applicant: E.I. DU PONT DE NEMOURS AND COMPANY OF WILMINGTON DELAWARE, UNITED STATES OF AMERICA.

Inventors: (1) ABID NAZARALI MERCHANT AND (2) JILL MICHELE REDENBAUGH.

Application No. 269/Cal/89, filed on April 07, 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972) Patent Office, Calcutta.

2—277 GI'92

An azeotrope or azeotrope-like composition comprising from 69—75 weight per cent 1, 1-difluoro-2, 2-dichloroethane and from 31-25 weight percent acetone.

Compl. specn. 10 pages.

Drg. Nil

Cl. 32 F₂(a)

171430

Int. Cl.⁴: C 07 C 45/46.

METHOD FOR THE PREPARATION OF O-AMINOPHENYL CYCLOPROPYL KETONE.

Applicant: AMERICAN CYANAMID COMPANY OF ONE CYANAMID PLAZA, WAYNE, STATE OF NEW JERSEY 07470, UNITED STATES OF AMERICA.

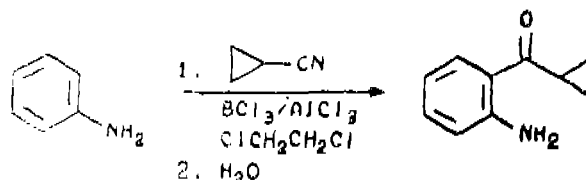
Inventors: (1) THOMAS EUGENE BRADY, (2) MICHAEL EDWARD CONDON (3) PIERRE ANTOINE MARC.

Application No. 82/Cal/91; filed on January 28, 1991.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972) Patent Office Calcutta.

4 Claims

A method for the preparation of O-aminophenyl cyclopropyl ketone which comprises in reacting aniline with cyclopropyl cyanide in the presence of ethylene chloride and a methylene chloride solution of BCl_3 as well as in the additional presence of AlCl_3 as around room temperature.



REACTION SCHEME I

Compl. Specn. 19 pages.

Drg. 1 sheet

Ind. Cl. 32-F. 2 (c) [GROUP-IX (1)]

171431

Int. Cl.⁴—C 07 C 126/02.

AN IMPROVED PROCESS FOR PRODUCING UREA

Applicant AMMONIA CASALE S.A., OF VIA DELLA POSTA 4, CH—6900 LUGANO, SWITZERLAND, A SWISS COMPANY AND UMBERTO ZARDI, VIA LUCINO 37, CH-6932 BREGANZONA, A CITIZEN OF SWITZERLAND.

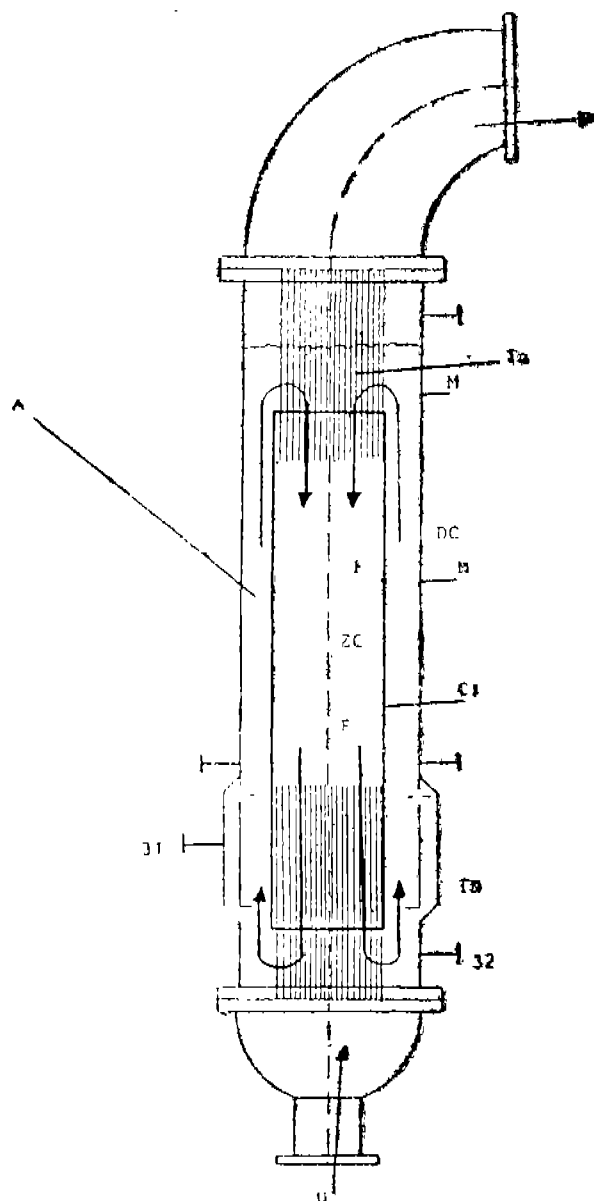
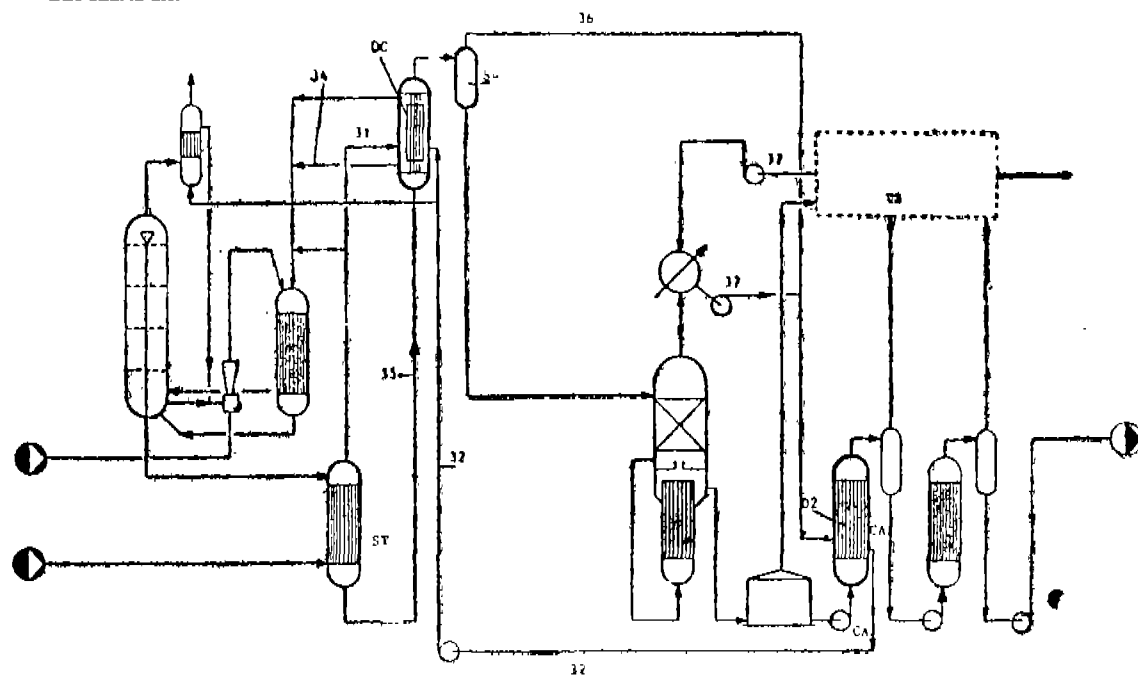
Inventors: (1) UMBERTO ZARDI, (2) GIORGIO PAGANI.

Application No. 283/MAS/88 filed May 3, 1988.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

6 Claims.

In a process for producing urea comprising the reaction of ammonia and carbon dioxide in a reactor at a pressure of 120 and 220 bar and at a temperature of 170°C and 200°C, the urea solution leaving the reactor containing carbamate, water and other products is stripped; the improvement comprising condensing the stripped vapours and distilling in at least two vacuum distillation stages, with at least one additional distillation stage maintained at a mean pressure of distillation with substantial recovery of heat, pre-distillation and stripping in a pre-distillation stage and a second stripping stage.



(Com. 22 Pages; Drwgs. 8 Sheets)

Ind. Cl. : 102-A [XXIX(1)]

171432

Int. Cl. : B-23 D 33/08.

A METHOD OF FORMING A BOX SECTION FRAME MEMBER.

Applicant : TI AUTOMOTIVE DIVISION OF TI CANADA INC., A COMPANY INCORPORATED UNDER THE LAWS OF THE PROVINCE OF ONTARIO, CANADA, OF 2 TERRACE STREET, LONDON, ONTARIO, CANADA N6A 4M4.

Inventors IVANO G. CUDINI.

Application No. 301/MAS/88 filed May 9, 1988.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

9 Claims

A method of forming a box section frame member (16) having at least an elongate portion (17) with uniformly smooth and continuous cross-sectional profile having rounded corner portions in the cross section comprising the steps of :

(a) providing a die defined by die sections (11, 13) having open and closed positions, each having a die cavity portion (35, 37) and a planar mating portion (47), the mating surface of each of the said die sections are in mating engagement with the mating surface of each of the adjacent die section in the closed position and the cavity portions for defining a die cavity with a smooth and continuous box section with cross sectional profile corresponding to the cross sectional profile of the box section and rounded corners on the elongate portion of the desired box section;

(b) providing a tubular blank (15) having a continuous and smooth arcuate cross-section, with a circumference for forming said blank in the shape of said elongate portion, the expansion of the circumference of said blank being not more than 5% ;

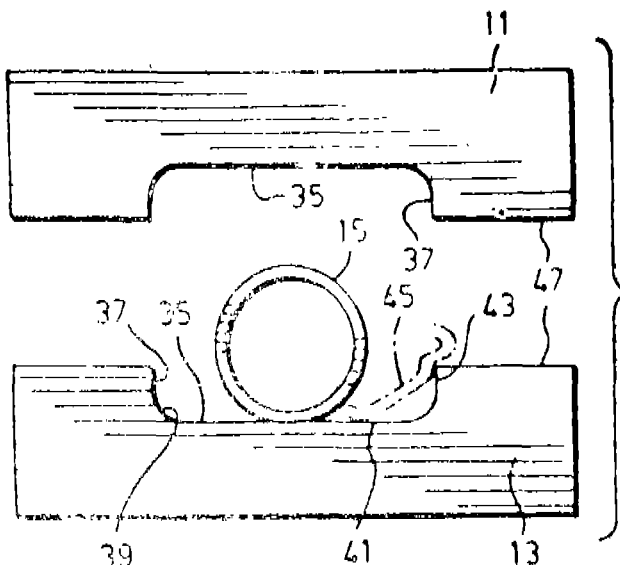
(c) positioning the said blank (15) between open die sections;

(d) applying sufficient hydraulic pressure limiting to less than the yield limit of the wall of the blank (15) on die closure to the interior of said blank to force the wall of the evenly into each of the corners defined by said die sections, thereby maintaining the blank within the die cavity;

(e) closing said die sections to compress the blank while said pressure acts on the blank;

(f) applying further hydraulic pressure to the interior of said blank, in excess of the yield limit of the wall of the blank, to cause the wall of the blank to define the outer circumference of said elongate portion; and

(g) releasing said internal hydraulic pressure, opening said die sections and removing said box section frame member from said die cavity.



(Com. 17 Pages Drawgs. 2 Sheets)

Ind. Cl. 206-E (GROUP-LXII)

171433

Int. Cl. 4-H 04 N 9/67, G 06 F 7/00.

A SYSTEM FOR PRODUCING AND DISPLAYING DITHERED IMAGE VALUES.

Applicant DIGITAL EQUIPMENT CORPORATION, A MASSACHUSETTS CORPORATION OF 111 POWDER-MILL ROAD, MAYNARD, MASSACHUSETTS 01714, UNITED STATES OF AMERICA.

Inventor : ROBERT A ULICHNEY.

Application No. 349/MAS/88 filed May 24, 1988.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

14 Claims

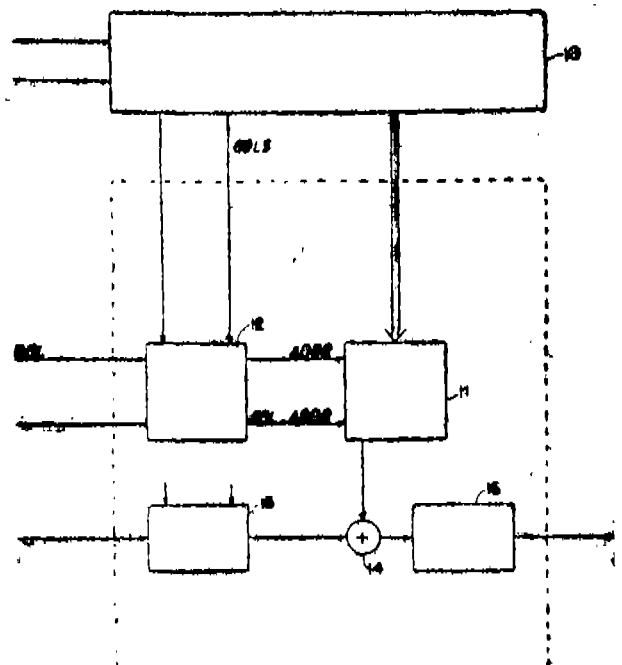
A system for producing and displaying dithered image values in response to continuous tone image values from an external source, the system comprising :

dither matrix generator means for generating a dither matrix of dither threshold values;

processing means, connected to said dither matrix generating means and to said external source for applying the continuous tone image values from said external source to values derived from the dither threshold values of said dither matrix to produce dithered image values, said continuous tone image values that are applied to said derived values being organised in a first grid pattern that includes multisided cells, and said processing means organizing said dithered image values in said first grid pattern;

wherein said dither matrix generator means generates said dither matrix of dither threshold values based on a second grid pattern comprising multisided cells each of which has a different number of sides from that of the cells of the said first grid pattern; and

a display connected to said processing means for displaying said dithered image values organized in said first grid pattern at display positions that are organized in said first grid pattern.



(Com. 30 Pages Drawgs.-14 Pages)

nd. Cl.: 134-A & 205-G (GROUPS-LII (1) & LVI) 171434

nt. Cl.: B 60 C 23/00.

AN APPARATUS FOR DETECTING AN UNDER-INFLATED TIRE OF A WORK VEHICLE.

Applicant : CATERPILLAR INC., OF 100 N E ADAMS STREET, PEORIA, ILLINOIS 61629-6490, U.S.A., A CORPORATION ORGANIZED AND EXISTING UNDER THE LAWS OF THE STATE OF DELAWARE.

Inventors : (1) SHRISTOS THEODOROS KYRTSOS (2) GREGORY EUGENE LONG (3) ADAM JOHN GUDAT.

Application No. 394/Mas/88 filed June 9, 1988.

Convention date : November 27, 1987; (No. 552, 991; Canada).

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

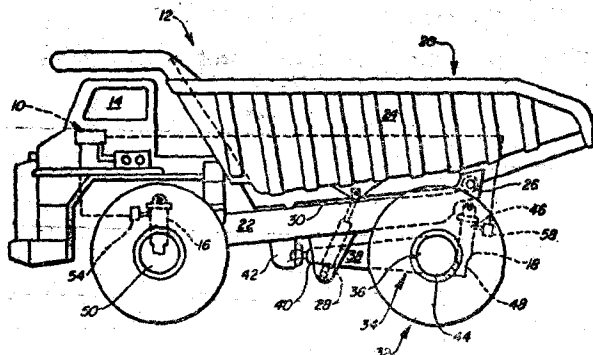
17 Claims

An apparatus for detecting an underinflated tire of a work vehicle (12) having pneumatic tires (32) mounted on a plurality of opposed wheels which are mounted on hydraulic struts (16, 18) comprising :

sensing means (52, 62, 64, 66, 68) for sensing the internal pressure of preselected struts (16, 18) and delivering a plurality of first signals each having a value responsive to the internal pressure of a respective strut (16, 18);

deriving means (70, 72) for receiving said first signal and responsively deriving a signal indicative of relative inflation pressure of at least a portion of said tires (32); and

signalling means (74) for receiving said relative inflation pressure signal, comparing said relative inflation pressure signal with a preselected setpoint signal, and delivering an underinflation signal in response to a preselected difference between said compared signals.



(Com.—39 pages; Drawgs.—9 sheets).

Ind. Class : 39 C (III)

171435

Int. Class⁴ : C 01 C 1/04.**"AN IMPROVED PROCESS FOR HETEROGENEOUS SYNTHESIS".**

Applicant : AMMONIA CASALE S.A., a Swiss company of Via dell'Industria 4, CH-6900 Lugano SWITZERLAND AND UMBERTO ZARDI, a Swiss citizen of via Lucino 57, CH-6932 Breganzona SWITZERLAND.

Inventors : 1. GIORGIO PAGANI, 2. UMBERTO ZARDI.

Application No. 443/MAS/88 filed on 28th June 1988.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

4 Claims

Improved process for heterogeneous synthesis of ammonia, the improvement comprising distributing the synthesis catalyst in three axial-radial or radial catalytic beds controlling the temperature between the beds by quenching with fresh gas of at least 20% of the total flow of feed gas between the first and the second catalytic bed and by indirect cooling via exchanger between the second and the third bed of the gas leaving the second catalytic bed with fresh gas heated inside the tubes of said exchangers.

(Complete specification 13 pages; Drawing 4 sheets).

Ind. Cl. : 32 F 2 (C) GROUP IX (1)

171436

Int. Cl.⁴ : C 07 C 126/02.**AN IMPROVED PROCESS FOR PREPARING UREA BY SYNTHESIS OF AMMONIA AND CARBON-DIOXIDE.**

Applicant : AMMONIA CASALE S.A., of Via della Posta 4, CH-6900 Lugano, Switzerland, and UMBERTO ZARDI, of Via Lucino 57, CH-6932 Breganzona, Switzerland, Swiss compas.

Inventor : UMBERTO ZARDI.

Application No. 444/MAS/88 filed on 28th June, 1988.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

5 Claims

In a process for preparing urea by synthesis of ammonia and carbon-di-oxide in two stages of hard vacuum evaporation; separating preferably by gravity, the vapours produced with residual contents of ammonia, carbon-di-oxide and entrained urea on separators; condensing the entrained urea; hydrolyzing the condensate and distilling the NH₃ and CO₂ from the condensate to obtain urea; the improvement comprising the vapour containing NH₃ and CO₂ and urea entrainments obtained from the separators in vacuum evaporation stages is brought into contact with an aqueous urea solution with the ensuing pasage of the urea entrained by the vapour to the said aqueous urea solution before the said vapour is sent to the vacuum system.

(Com. Specn. 14 pages; Drgs. One sheet).

Ind. Cl. : 15E₂ & D [GROUP LII (2)]

171937

Int. Cl.⁴ : B 61 F 5/02.**A RAILWAY LOCOMOTIVE COMPRISING A CAR-BODY SUPPORTED BY A STEERING TRUCK.**

Applicant : GENERAL MOTORS CORPORATION, AN AMERICAN COMPANY INCORPORATED UNDER THE LAWS OF THE STATE OF DELAWARE, IN THE UNITED STATES OF AMERICA, OF 3044 West GRAND BOULEVARD, DETROIT, MICHIGAN 48202, UNITED STATES OF AMERICA.

Inventor : DAVID JASON GODING.

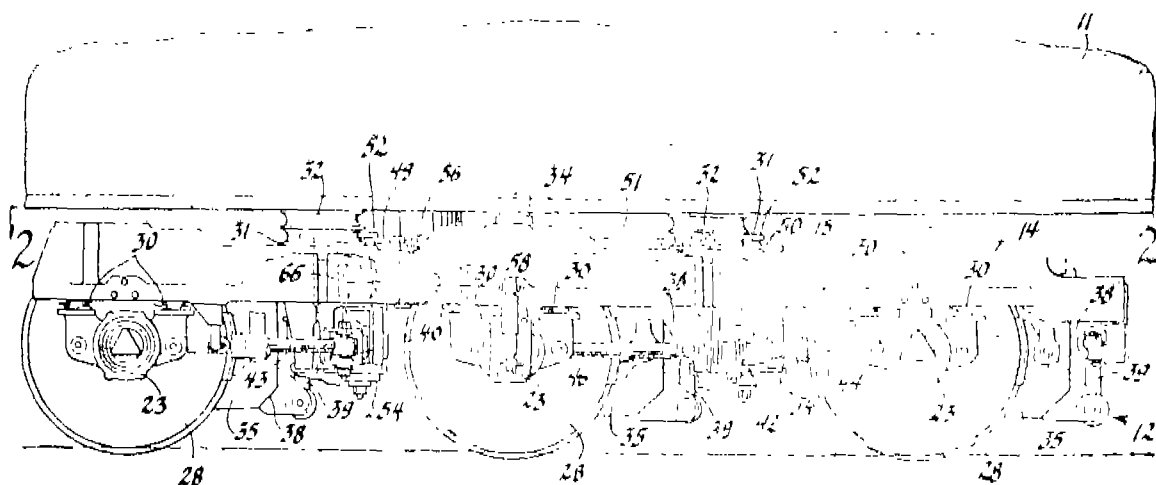
Application No. 496/Mas/88 filed on 15th July, 1988.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972) Patent Office Branch, Madras.

6 Claims

A railway locomotive comprising a car-body supported by a steering truck having a pair of wheel and axle members, a truck frame having a pair of parallel side frames interconnected by at least one laterally-extending transom, the truck frame being carried by the axles through primary suspension means permitting yawing for movement along curved track, first force-transmitting linkage connecting the

axles with the frame and having a lateral steering beam connected with at least one of the axles and having a centre pivotally connected with the frame to allow steering of the axle connected therewith whilst carrying longitudinal force between it and the frame, and second force-transmitting linkage connecting the frame with the car-body and including a car-body post depending from the car-body laterally between the truck side frame and longitudinally adjacent to said at least one transom, a car-body beam pivotally carried on the post and having laterally opposite pivot points, each lying between the post and one of the side frames, and movably attached connecting rods longitudinally connecting each of said car-body beam pivot points with the adjacent transom to carry traction and braking forces whilst allowing yawing and lateral motion of the truck frame relative to the car-body.



(Com. Spec.—16 pages;

Drgs.—2 sheets)

Ind. Cl. 135—[GROUP—I.XV (2)]

171438

Int. Cl.⁴ : B 06 B 1/06

A PIEZOELECTRIC SHEAR MOTOR PROVIDING ACTUATING MOVEMENTS ALONG ONE AXIS.

Applicant : ROCKWELL INTERNATIONAL CORPORATION, A CORPORATION ORGANIZED UNDER THE LAWS OF THE STATE OF DELAWARE, U.S.A., OF 2230 EAST IMPERIAL HIGH-WAY, EL SEGUNDO, CALIFORNIA 9025, U.S.A.

Inventor : THEODORE AMEN HEINZ.

Application No. 668/Mas/88 filed September 26, 1988.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972) Patent Office Branch, Madras.

9 Claims

A piezoelectric shear motor providing actuating movements along one axis comprising :

a plurality of rectangular piezoelectric shear elements arranged side by side in horizontal layers, the layers being arranged vertically adjacent to each other to form a rectangular shear block, adjacent layers being bonded to each other so that the bottom surface of an upper layer moves to the same extent as the top surface of the lower layer to which it is bonded, the full movement of the block being the sum of the extents of movement of all individual layers,

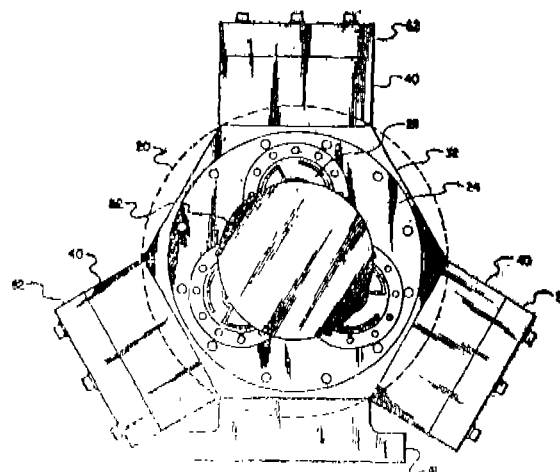
each shear element comprising a polarized piezoelectric strip having a first electrode in contact with the top and one end face of the strip and a second electrode in contact with the bottom and other end face of the strip, all first and second electrodes being respectively similarly located on said strips relative to the polarization of the strip, the shear

elements being insulated from each other and placed together in such arrangement that all first electrodes are placed at one end of the shear block and all second electrodes are located at the other end, the movement of each strip being a shear movement;

first electrical contact means arranged to make contact with all first electrodes at one end of the block;

second electrical contact means arranged to make contact with all second electrodes at the other end of the block; and

actuated means coupled to said block for movement thereby along one axis.



(Com.—17 pages;

Drwgs.—8 sheets)

Ind. Cl. : 50 A [VII(1)]

171439

Ind. Cl. : 101-F; 102-D & 151-G—[GROUPS—

171440

Int. Cl. : A 47 J 41/02.

XXVIII(2); XXIX (1) & XLVIII (2)]

VACCUUM FLASK.

Applicant & Inventor : Dr. Jose Thaikattil, Physician, University Health Centre, Calicut University P.O., Kerala State, India.

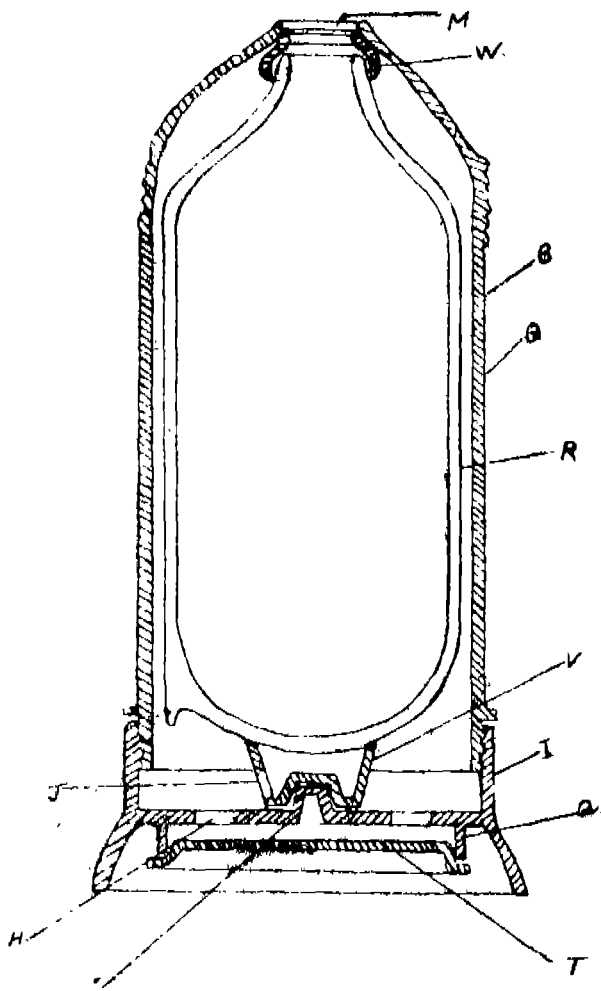
Application and Provisional Specification No. 757/Mas/88 filed on 31st October, 1988.

Complete Specification left October 27, 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972) Patent Office Branch, Madras.

7 Claims

A vacuum flask comprising a glass refill and an outer casing for housing the refill, said outer casing having a tubular body and at least one cap provided at the top and/or at the bottom of the flask, means provided for fitting the said cap(s) to the said body, said body or the said cap having an opening for engaging with the neck of the refill to form the mouth of the flask, means provided for holding the said refill between the said body and the said cap(s) characterised in that said outer casing is provided with an opening(s) extending from the exterior to the interspace between the refill and the said outer casing and at least one lid, separate from the said means for holding the refill, is provided for covering the said opening(s) on the outer casing.



(Prov. Specn.—5 pages;

Drawing—1 sheet)

(Com. Specn.—9 pages;

Drawing—1 sheet)

Int. Cl. : H 02 G 15/32

A HIGH AND LOW PRESSURE FLUIDBLOCK DEVICE.

Applicant : AMERICAN TELEPHONE AND TELEGRAPH COMPANY, A CORPORATION DULY ORGANIZED AND EXISTING UNDER THE LAWS OF THE STATE OF NEW YORK; UNITED STATES OF AMERICA, OF 550 MADISON AVENUE, NEW YORK, N Y 10022, UNITED STATES OF AMERICA.

Inventor : ALI ADL.

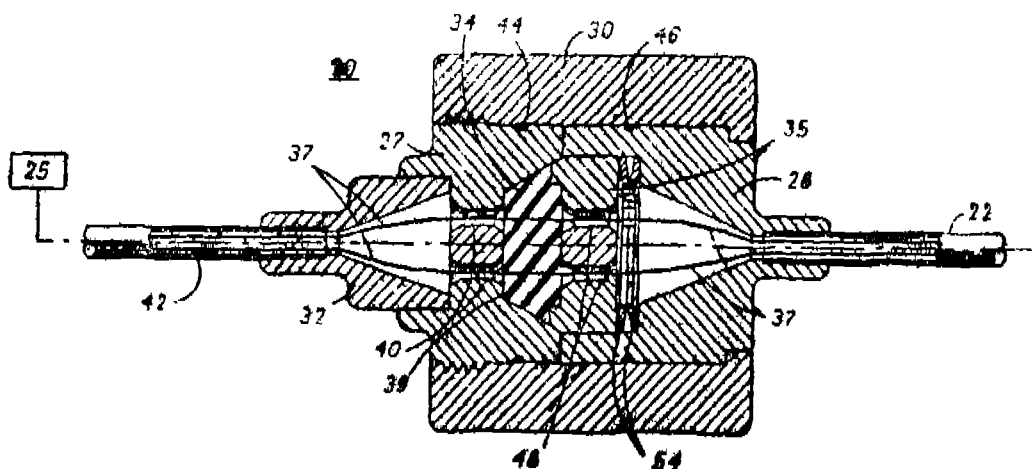
Application No. 894/Mas/88 filed December 15, 1988.

Convention date : January 21, 1988; (No. 10667/88; Australia).

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972) Patent Office Branch, Madras.

4 Claims

A high and low pressure fluid block device comprising a socket including a truncated conically shaped cavity having an open base at one end and a barrier wall at the opposite end with at least one hole cut through the barrier wall; the device characterised by a truncated conically shaped rubber plug matching the shape of the cavity and fitting into the cavity with the truncated end of the plug adjacent to the barrier wall and with at least one optical fiber size opening pierced through the rubber plug from its truncated end to its base; an optical fiber passing through both the opening in the plug and the hole in the barrier wall; the rubber plug being preloaded with a preload compressive stress exerting substantially equal pressures on the side-wall and barrier wall of the cavity and on the optical fiber; and the preload compressive stress, applied to the rubber plug, blocks fluid under pressure from passing from the base end of the cavity in the socket to the barrier wall throughout a range of fluid pressures ranging from zero to ocean bottom pressure.



(Com.—12 pages;

Drwgs.—2 sheets)

OPPOSITION PROCEEDING

The opposition entered by M/s. Chloride Group Public Limited Company to the grant of a Patent on Application No. 161811 made by M/s. Hugen Batterie AG as notified in the Gazette of India, Part III, Section 2 dated 20th August, 1988 has been dismissed and it is ordered that the application will proceed to Sealing with the amendments.

An opposition has been entered by M/s. Bajaj Auto Limited to grant of a patent on Application No. 178348 (742/Del/87) dated 24th August, 1987 made by M/s. Honda Giken Kogyo Kabushiki Kaisha.

PATENT SEALED

ON 10-09-1992

168706* 168994* 168996 168997 168998 169000 169002* 169014 169248 169357

Cal-07, Del-01, Mas-01 and Bom-01.

* Patent shall be deemed to endow with the words "LICENCE OF RIGHT" under Section 87 of the Patents Act, 1970 from the date of expiration of three years from the date of sealing.

AMENDMENT PROCEEDINGS UNDER SECTION 57

The amendments proposed by M/s. The Lubrizol Corporation of 29400 Lakeland Boulevard, Wickliffe, Ohio 44092 U.S.A. in respect of Patent Application No. 903/Del/86 (167666) as advertised in Part III, Section 2 of the Gazette of India dated 22-12-1990 have been refused.

The amendments proposed by SCIMAT LIMITED in respect of Patent Application No. 170214 (608/Mas/87) as advertised in Part III, Section 2, of the Gazette of India on 4-4-1992 and no opposition being filed within the stipulated period, the said amendments have been allowed.

The amendments proposed by SOCIETE DES PRODUITS NESTLE SA in respect of Patent Application No. 170300 (740/Mas/89) as advertised in Part III, Section 2, of the Gazette of India on 4-4-92 and no opposition being filed within the stipulated period the said amendments have been allowed.

The amendments proposed by STATE OF ISRAEL REPRESENTED BY THE PRIME MINISTER'S OFFICE in respect of Patent No. 170320 (455/Mas/90) as advertised in Part III, Section 2, of the Gazette of India on 4-4-1992 and no opposition being filed within the stipulated period, the said amendments have been allowed.

The amendments proposed by "FLAKT AB" in respect of Patent Application No. 170352 (703/Mas/87) as advertised in Part III, Section 2, of the Gazette of India on 4-4-1992 and no opposition being filed within the stipulated period, the said amendments have been allowed.

ENDORSEMENT OF PATENTS WITH THE WORDS "LICENCE OF RIGHT" UNDER SECTION 87 OF THE PATENT ACT, 1970

NUMBERS

DATE

159341

02-12-1992

159433

159851

159873

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160125

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159605

159832

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06-12-1991

NUMBERS	DATE	RENEWAL FEES PAID
160435		149058 149477 149583 149900 150204 150928 151504 151505
160436		151548 151711 151862 152926 153252 153812 155254 155756
160437		156389 156577 156579 157142 157144 157146 157187 157188
160438		157189 157822 158153 158204 158787 159196 159598 160030
160439		160031 160379 160643 160646 160725 160729 160731 160732
160440		160794 160863 161195 161197 161437 161449 161533 161655
160411		161687 161885 162056 162286 162417 162473 162601 162724
159831		162725 162979 162980 163011 163032 163034 163138 163256
160142		163257 163495 163558 163681 163722 163730 164030 164195
160179		164358 164385 164396 164675 164955 165061 165062 165063
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160197		165266 165267 165302 165305 165406 165407 165408 165482
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160450		165663 165665 165669 165713 165773 165774 165775 165777
160451		166048 166118 166203 166204 166205 166211 166309 166510
160305		166596 166765 166787 166802 167057 167138 167148 167237
160307	06-12-1991	167238 167248 167251 167285 167344 167388 167390 167397
160326		167418 167543 167548 167636 167678 167675 167702 167746
160524		167794 167800 167805 167813 167816 167817 167818 167873
159364		167878 168018 168072 168142 168428 168465 168471 168591
159757		168597 168642 168644 168645 168646 168647 168650 168714
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CESSATION OF PATENTS

157384 157389 157392 157395 157398 157399 157405 157407
 157412 157413 157414 157416 157421 157423 157424 157427
 157428 157430 157432 157436 157437 157444 157447 157452
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 157480 157482 157485 157491 157498 157500 157502 157505
 157510 157512 157515 157522 157523 157524 157525 157526
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 157558 157562 158414 162362 165268 165342 166740 167551

RESTORATION PROCEEDINGS

Notice is hereby given that an application for restoration of Patent No. 151391 dated the 28th January 1980 made by Niku Purnachandra on the 14th January 1992, and notified in the Gazette of India, Part III, Section 2, dated the 28th March, 1992 has been allowed and the said Patent restored.

REGISTRATION OF DESIGNS

The following designs have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Designs Act, 1911.

The date shown in the each entries is the date of the Registration of the design included in the entry.

Class I. No. 163738. C. Lal Gopi Engineering Ltd., I-2, Industrial Estate, Ambala City 134 002, Haryana India, an Indian Company, "Heater". 4th November, 1991.

Class I. No. 163973. Monica Chawla, Proprietress (an Indian national), trading as Kiddie Kraft, 20 Roshanara Road, Palace Cinema Building, Delhi-110 007, India. "Baby Walker". 1st January, 1992.

- Class 1. No. 164091. Earh-Bihari Private Limited, a company incorporated and existing under the Companies Act, 1956 of 148-B, St. Cyril's Road, Bandra, Bombay-400 050, State of Maharashtra, India, "Modular Clip for joining Particle Board". 17th February, 1992.
- Class 1. No. 164093. Crompton Greaves Limited, an Indian Company of 1, Dr. V. B. Gandhi Marg, Bombay-400 023, Maharashtra India. "Ceiling Fan". 17th February, 1992.
- Class 1. No. 164096. Crompton Greaves Limited, an Indian Company of 1, Dr. V. B. Gandhi Marg, Bombay-400 023, Maharashtra, India. "Pedestal Aircirculator". 17th February, 1992.
- Class 1. No. 164143. Indage India Limited, a company incorporated under the Indian Companies Act, at Indage House, Dr. Annie Besant Road, Bombay-400 018, Maharashtra, State, Union of India. "Chiller". 6th March, 1992.
- Class 1. No. 164150. Colgate-Palmolive Company a Delaware Corporation of 300 Park Avenue, New York, New York 10022, United States of America. "Tube Dispenser". 9th March, 1992.
- Class 1. No. 164191. Rexnord Electronics & Controls Private Limited, an Indian Company, registered under Companies Act, 1956, of 34/141, Laxmi Industrial Estate, New Link Road, Andheri (West) Bombay-400 058, Maharashtra, India, "Instrument Cooling Fan". 27th March, 1992.
- Class 1. No. 164192. Rexnord Electronics & Controls Private Limited, an Indian Company, Registered under Companies Act, 1956, of 34/141, Laxmi Industrial Estate, New Link Road, Andheri (West), Bombay-400 058, Maharashtra, India. "Housing of the instrument cooling fan". 27th March, 1992.
- Class 1. No. 164199. Bulgari Time (Switzerland) S.A., a Swiss Company, of Rue De Monruz 34, Case Postale 65, CH-2008 Neuchatel, Switzerland "Wristwatch". 31st March, 1992.
- Class 1. Nos. 164209 to 164211. Vermont American Corporation, a Delaware Corporation, of 100 East Liberty Street, Louisville, Kentucky 40202, United States of America, "Saw Blade". 1st April, 1992.
- Class 1. No. 164285. B. K. Enterprises, A Proprietorship Concern, whose proprietor is B. K. Sharma, having its office at 22/1048, Lodhi Colony, New Delhi-110003 (India), Indian National of the above address. "Baby Sitter". 23rd April, 1992.
- Class 1. No. 164496. Alampallam Subramaniam Vaidhyathan, of Dwaraka, Harikar Street, Palghat, Kerala, India, an Indian Citizen. "Cooking Container". 29th June, 1992.
- Class 3. Nos 163942 & 163943 & 163945. Baco Constructions Electriques—Anct. Baumgarten S.A., a French Company of 290, Route de Colmar, F-67024 Strashoure, France. "Actuator for control devices". 26th December, 1991.
- Class 3. No. 164009. Kabushiki Kaisha Hosokawa Yoko, a Corporation of Japan, of No. 11-5, Niban-cho, Chiyoda-ku, Tokyo Japan. "Beverage Container". 15th January, 1992.
- Class 3. No. 164055. Lakme Limited, of Bombay House, 24 Homi Mody Street, Bombay-400 001, Maharashtra, India, an Indian Company. "Tube". 3rd February, 1992.
- Class 3. No. 164117. Harshad Kantilal Shah, an Indian carrying on business at 27-B Zaver Mahal 66, Marine Drive, Bombay-400 020, Maharashtra State, India, "Flower vase". 21st February, 1992.
- Class 3. No. 164118. Kosha Cubidor Containers Private Limited an Indian Company of 4, Arvind Commercial Building, Sunmills Compound, Tulsi Pine Road, Lower Parel, Bombay-400 013, Maharashtra, India, "Container for Water". 21st February, 1992.
- Class 3. No. 164133. Kiran Shantilal Shah and Purshottamdas Lalubhai Patel, both being Indian Citizens and both of : C/220 Paguthia Street Haji Khana Bazar Bharuchm Pin : 392001, Gujarat, India. "Night Lamp". 28th February, 1992.
- Class 3. No. 164136. Lakme Limited, of Bombay House, 24 Homi Mody Street, Bombay-400 001, Maharashtra, India, an Indian Company. "Jar". 3rd March, 1992.
- Class 3. No. 164173. Neelkhanth Ratnakar Dongre, C-37, Connaught Place, New Delhi-110 001, India (An Indian Trust). "Ice cream maker". 23rd March, 1992.
- Class 3. No. 164180. Smt. Vandha Jaysukhlal Doshi, an Indian National, trading as Quality Company, of Lal Bamba, Bazar Lane, Green Chowk, Morbi-353641, Gujarat State, India, "Wall Clock Case". 24th March, 1992.
- Class 3. No. 164184. Palimondial S.A., of 32, Rue J. P. Brasseur, Luxemburg, a Luxemburg Company, "Toy Construction Element". 26th March, 1992.
- Class 3. No. 164185. Polyset Plastics Limited, a company incorporated under the Companies Act, having its office at A-44-45, M.I.D.C. Off. Mahakali Caves Road, Andheri (E), Bombay-400 093 in the State of Maharashtra, within the Union of India. "Container". 26th March, 1992.
- Class 3. No. 164190. Polyset Products Pvt. Ltd. a Company incorporated under the Companies Act, having its office at A-44-45, M.I.D.C. Off Mahakali Caves Road, Andheri (E), Bombay-400 093 in the State of Maharashtra, within the Union of India, "Tap". 26th March, 1992.
- Class 3. No. 164193. Rexnord Electronics & Control Private Limited, an Indian Company, registered under companies Act, 1956 of 34/141, Laxmi Industrial Estate, New Link Road, Andheri (West), Bombay-400 058, Maharashtra, India. "Impeller of the Instrument cooling fan" 27th March, 1992.
- Class 3. No. 164234. Soloni Cosmetics, a sole proprietorship firm, 43, Bhanukuni, N.S. Road No. 3, J.V.P.D. Scheme, Vile Parle (W), Bombay-400 056, State of Maharashtra, India. "A Bottle" 6th April, 1992.
- Class 3. No. 164237. Hindustan Vacuum Glass Limited, Sanskriti Bhawan, Jhandewalan, New Delhi-110053, India, a company incorporated under the Indian Companies Act, of the above address. "Vacuum Flask". 6th April, 1992.
- Class 3. No. 164238. Mal son Electronics, a registered Partnership firm of 1/10, Prabhadevi Industrial Estate, 1st Floor, Veer Savarkar Road, Prabhadevi, Bombay-400 025, Maharashtra, India. "Connector Module Cum C.T. Box". 7th April, 1992.
- Class 3. No. 164239. Uma Sankar Chakrabarty, an Indian, C/o. Oriplast Pvt. Ltd., 40, Strand Road, Calcutta-700 001, West Bengal, India. "Submarine Filter Gulleries". 8th April, 1992.
- Class 3. No. 164283. Climate Control (India) Ltd., D, 13-E Road No. 1, Vikramপুরi, Secunderabad-500 003 (A.P.), India. "Exhaust Fan". 23rd April, 1992.
- Class 3. No. 164287. Roval Enterprises, 113/115, Keshavnaiik Road, Bombay-400 009, State of Maharashtra, India, an Indian Partnership firm. "Tooth Brush". 27th April, 1992.
- Class 4. No. 163839. Mrs. Rukhsana Gulam Amin, of 5, Jar Mansion, Off. Turner Road, Bandra (West), Bombay-400 050, Maharashtra, India, Indian National. "Lamp Shed". 26th November, 1991.

Class 4. No. 163848. Mrs. Rukhsana Gulam Amin, of 5, Jer Mansion, Off. Turner Road, Bandra (West) Bombay-400 050, Maharashtra, India, Indian National. "Doll in the form of sewing kit". 26th November, 1991.

Class 4. No. 163853. Mrs. Rukhsana Gulam Amin, of 5, Jer Mansion Off. Turner Road, Bandra (West), Bombay-400 050, Maharashtra, India, Indian National. "Doll". 26th November, 1991.

Class 5. No. 164334. The Assam Company Limited of 52, Chowringhee Road, Calcutta-700 071, West Bengal, India, an Indian Company. "Carton". 6th May, 1992.

Class 10. Nos. 164101 & 164103. Liberty Enterprises, Liberty House, Karnal, Haryana State, India, an Indian Partnership Concern. "Sole of the Shoe".

Class 12. No. 163984. Greater Bombay Retailing Services Pvt. Ltd., a company incorporated and existing under the companies Act, 1956 of 9-B, Cowasji Patel Street, Bombay-400 001, State of Maharashtra, India. "Air Freshner Container". 1st July, 1992.

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